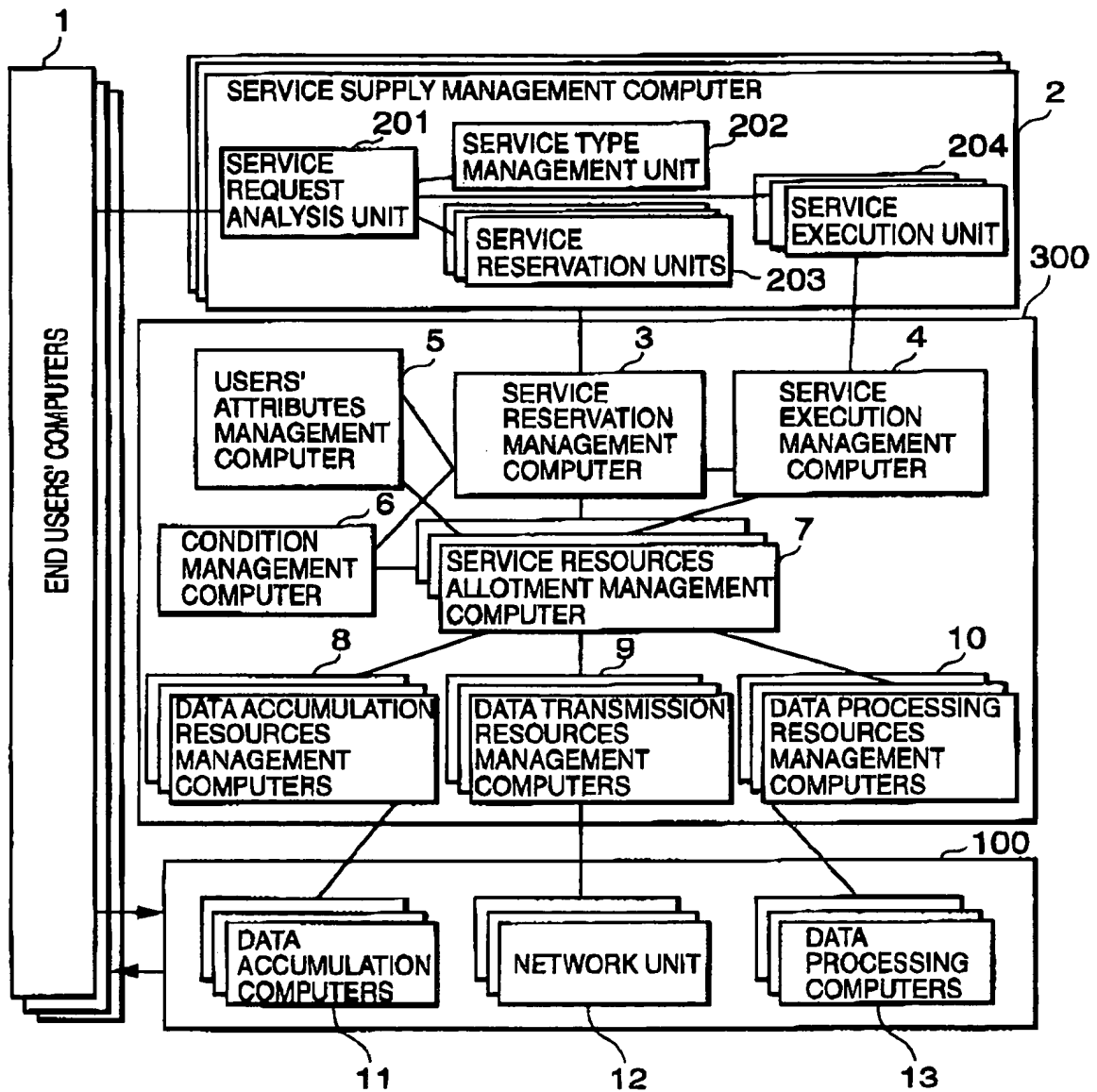


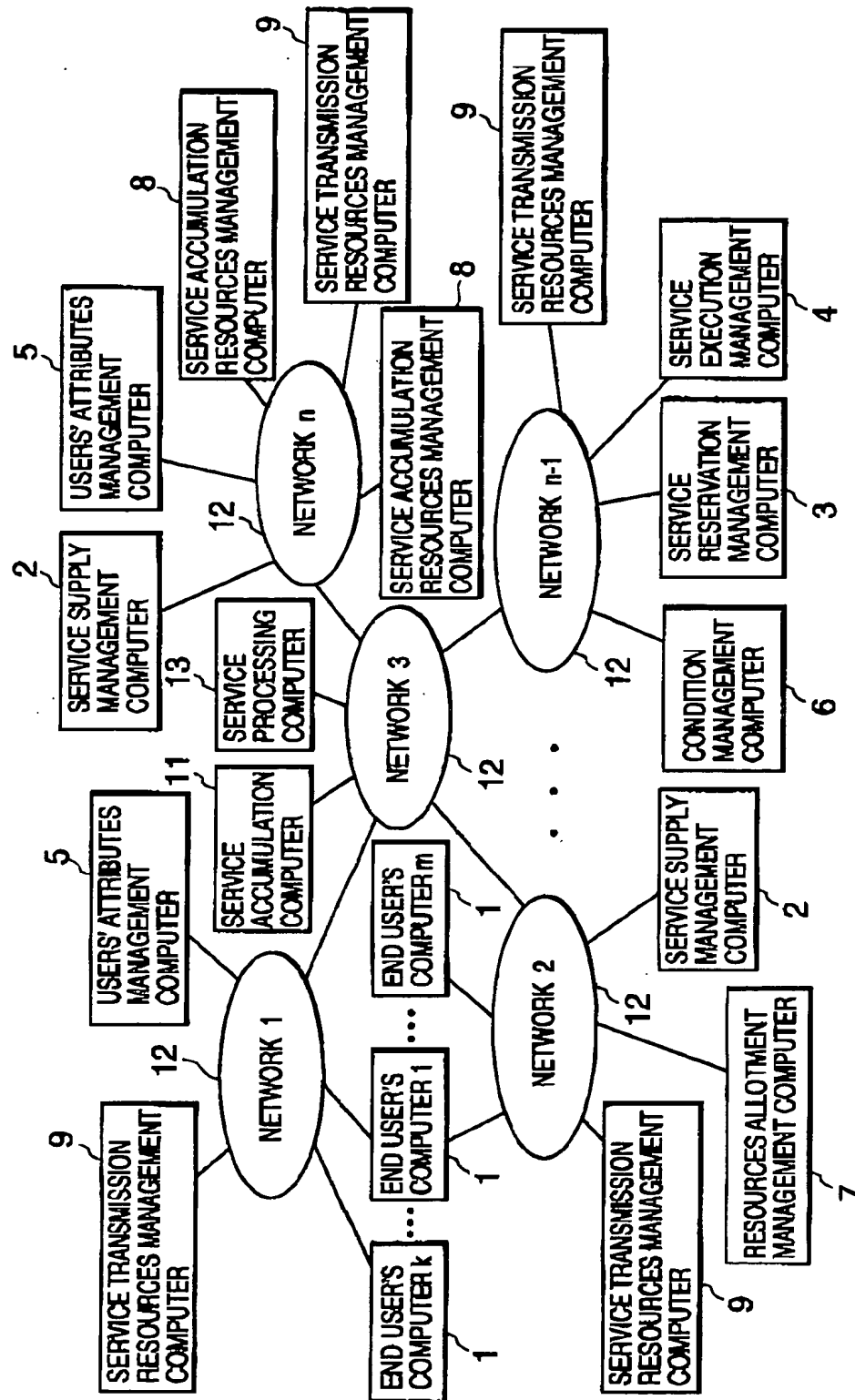
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FIG. 1



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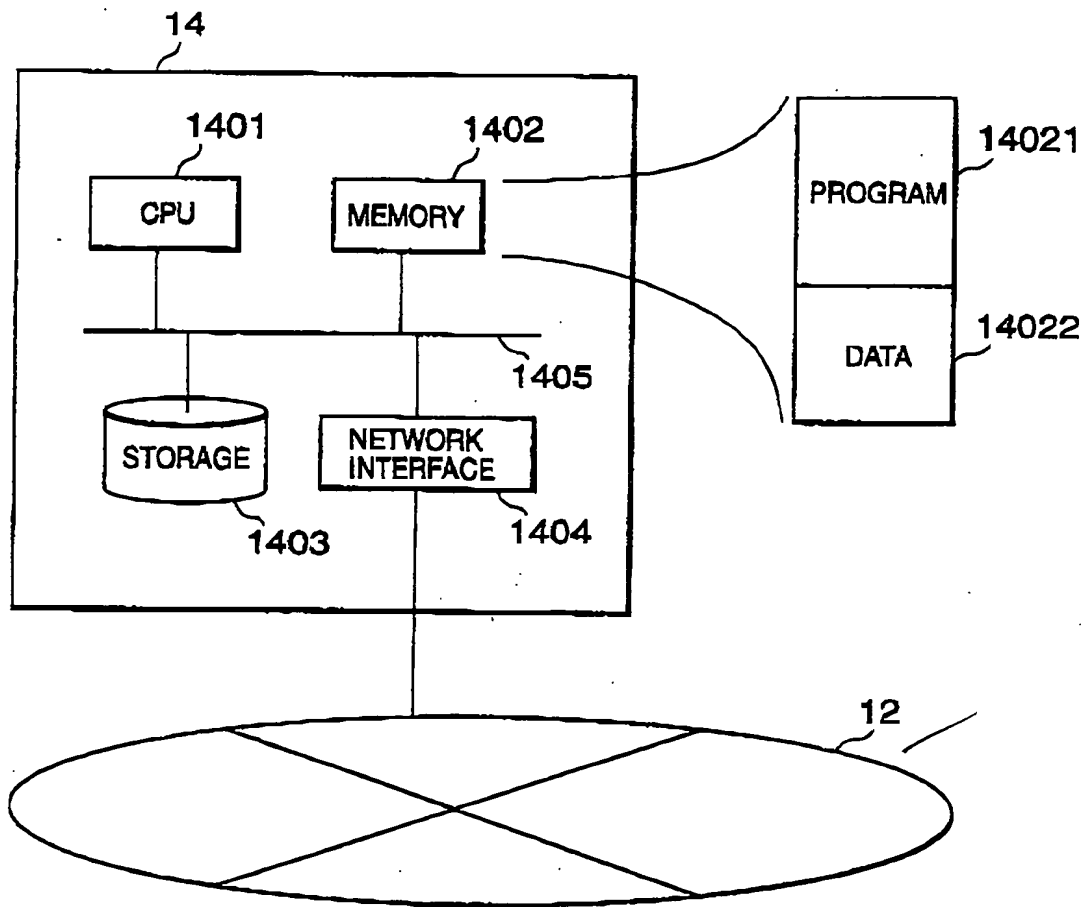
FIG. 2



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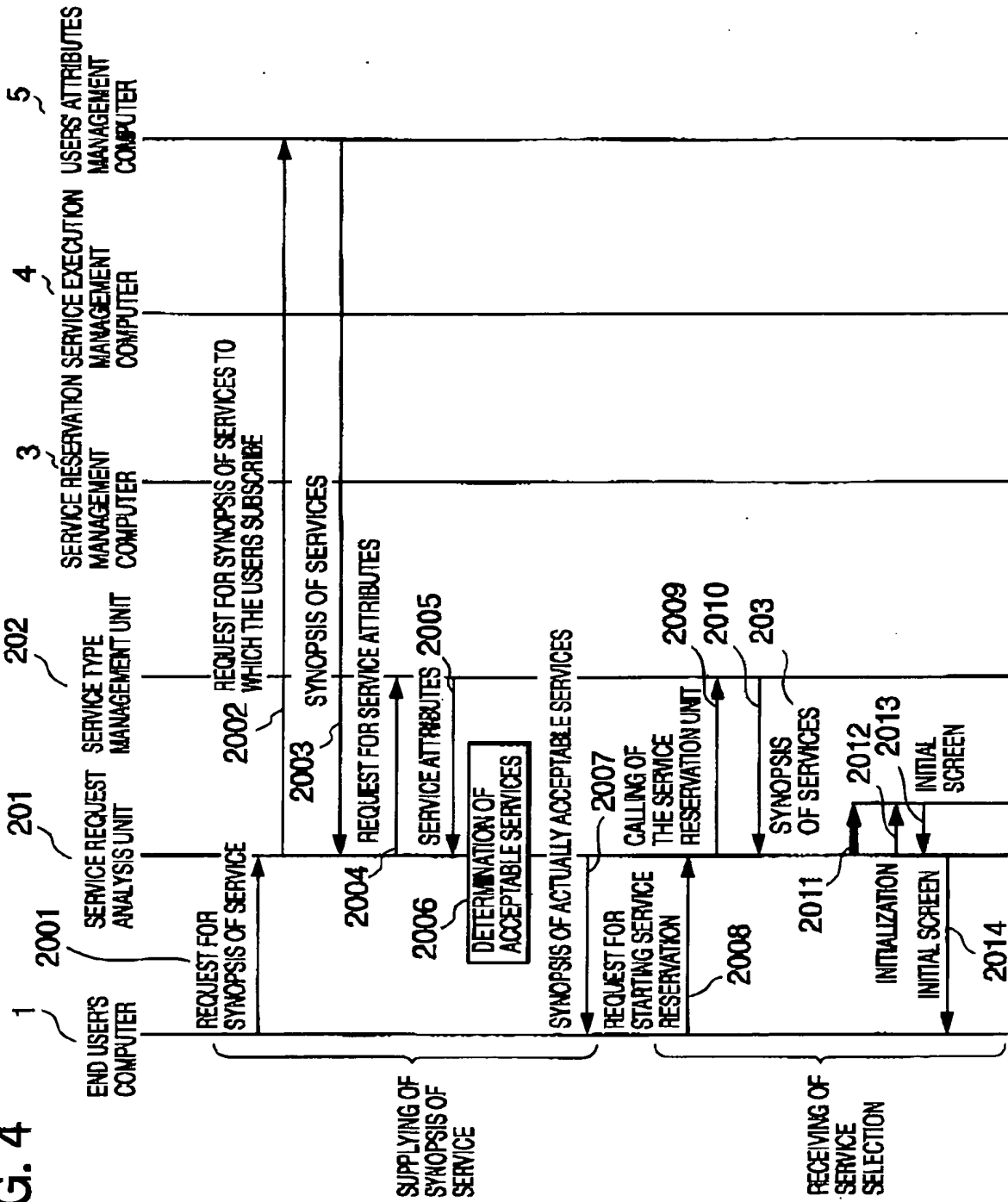
FIG. 3



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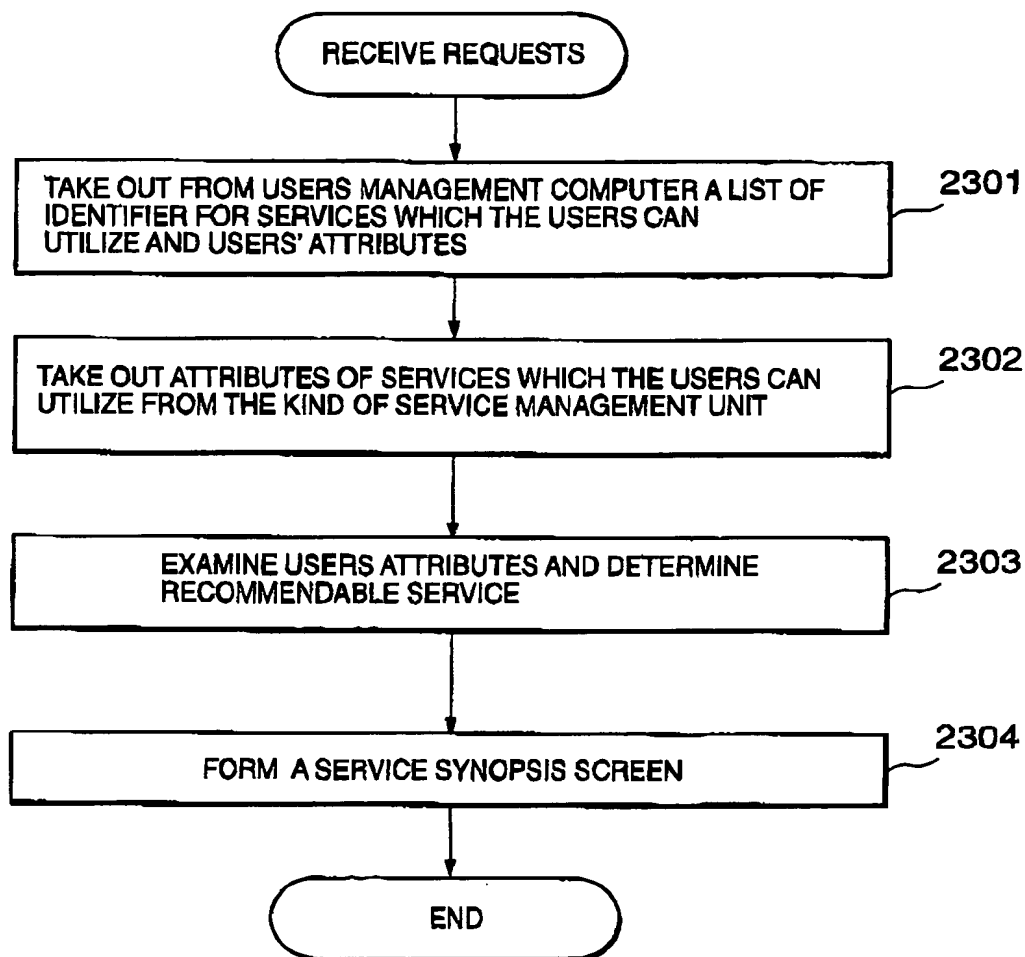
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FIG. 4



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FIG. 5



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FIG. 7

5102	5103	5104	5105	5106	5101
SERVICE IDENTIFIER	NAME OF SERVICES	LOGICAL RESOURCES INFORMATION	SERVICE RESERVATION UNIT	SERVICE EXECUTION CONTROL UNIT	
101	MULTI-POINT TELEVISION MEETING (HIGH IMAGE QUALITY)	6.3Mbps, LOW DELAY, TVConfBridge			
102	MULTI-POINT TELEVISION MEETING (INTERMEDIATE IMAGE QUALITY)	1.5Mbps, LOW DELAY, TVConfBridge			
103	MULTI-POINT TELEVISION MEETING (ECONOMY)	100Kbps, TVConfBridge			
201	PREVIEW OF A NEWLY PRODUCED MOTION PICTURE (HIGH IMAGE QUALITY)	6.3Mbps, MPEGserver			
202	PREVIEW OF A NEWLY PRODUCED MOTION PICTURE (LOW CHARGE)	1.5Mbps, MPEGserver			
211	MAIN COMPILATION OF A NEWLY PRODUCED MOTION PICTURE (HIGH IMAGE QUALITY)	6.3Mbps, MPEGserver			
212	MAIN COMPILATION OF THE NEWLY PRODUCED MOTION PICTURE (LOW CHARGE)	1.5Mbps, MPEGserver			

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FIG. 8

5201

SYNOPSIS OF SERVICE

MULTI-POINT TELEVISION MEETING (ECONOMY)

PREVIEW OF A NEWLY PRODUCED MOTION PICTURE
(LOW PRICE)MAIN COMPILATION OF THE NEWLY PRODUCED MOTION PICTURE (LOW CHARGE) 03:00
18:00

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0965630 081000

FIG. 9

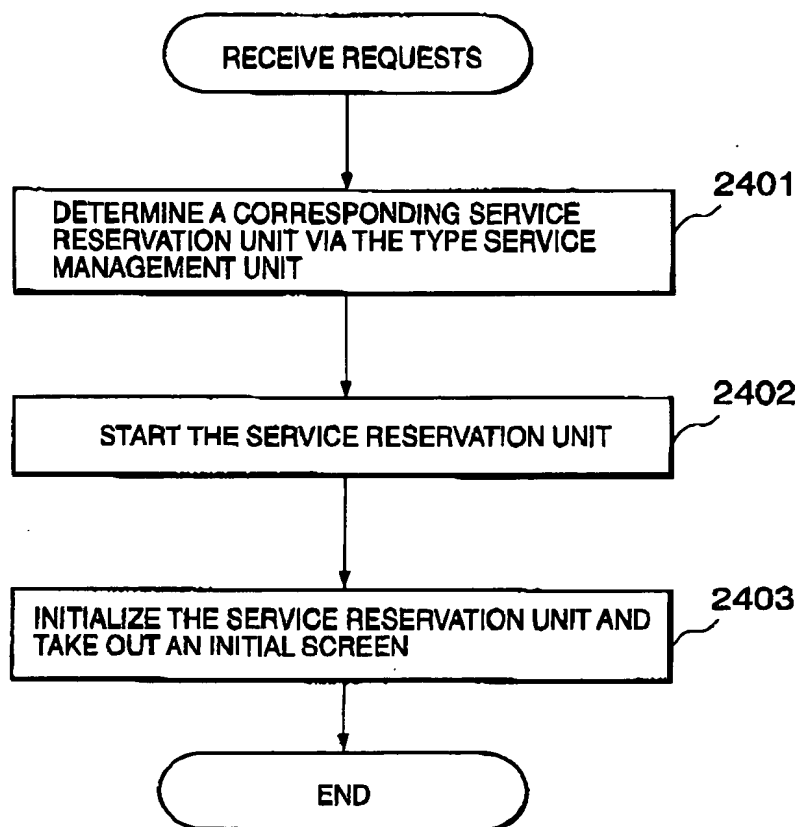
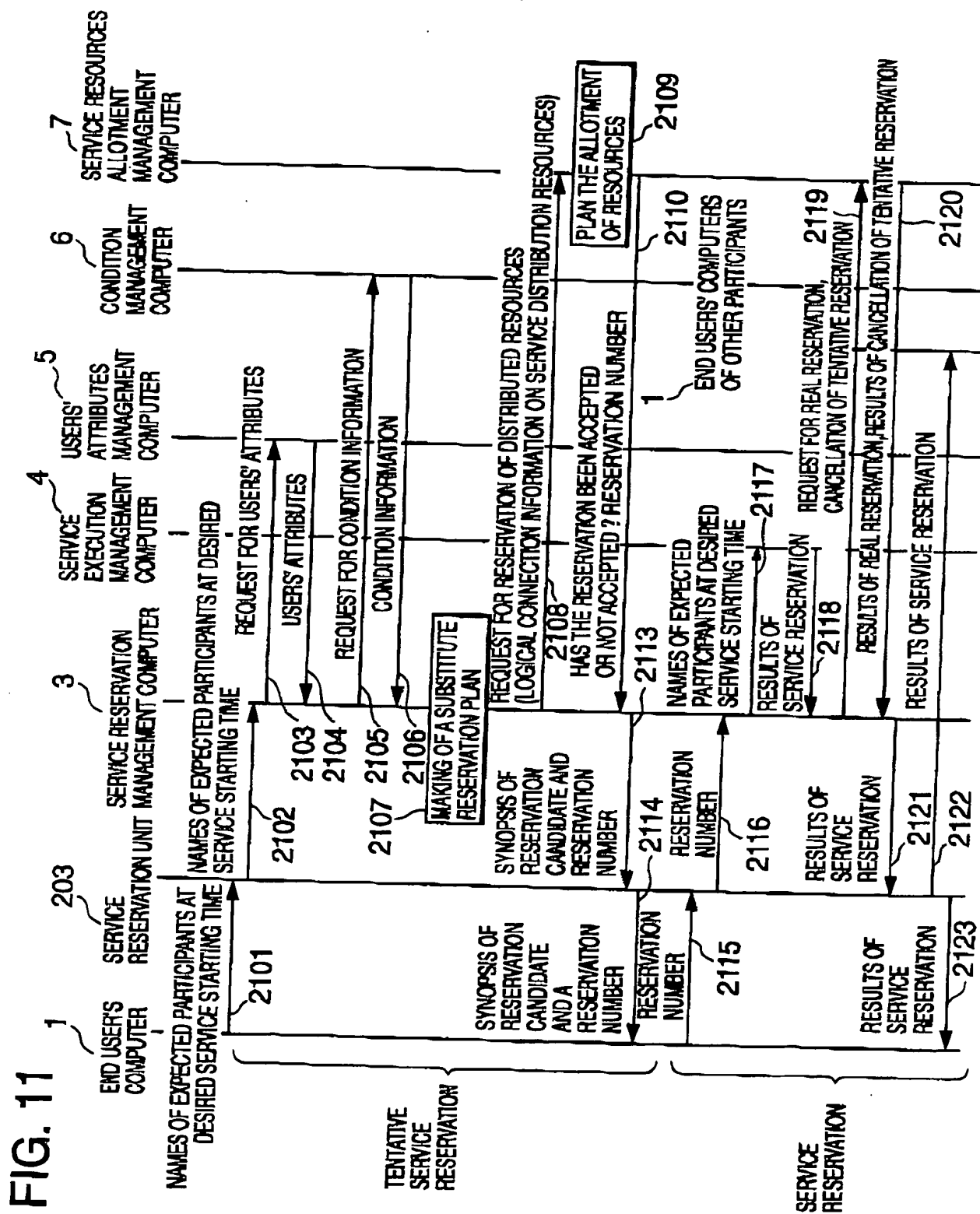


FIG. 10

APPLICATION

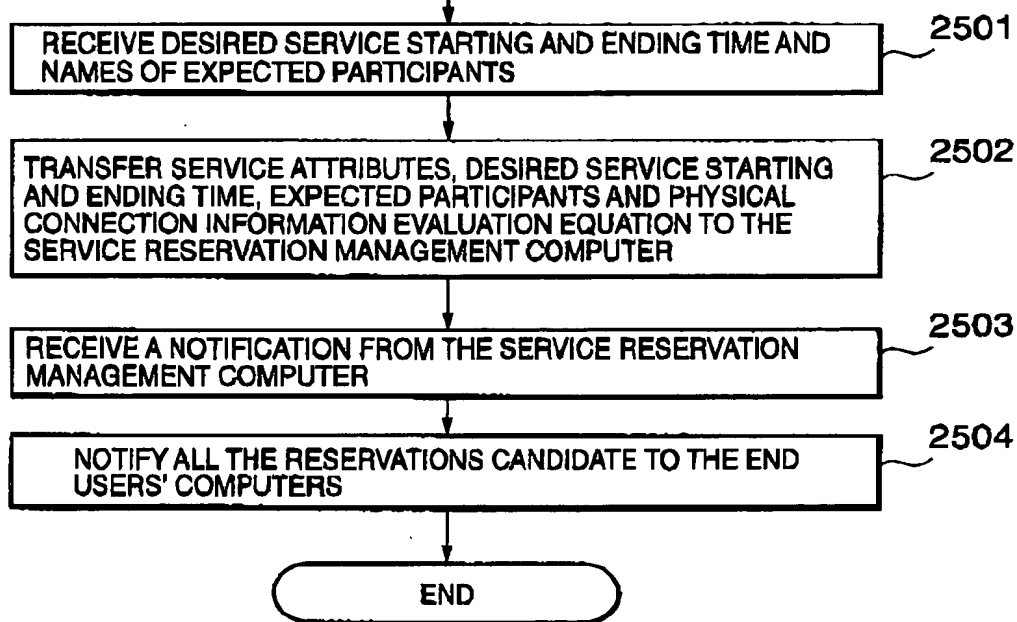
0634630-00100

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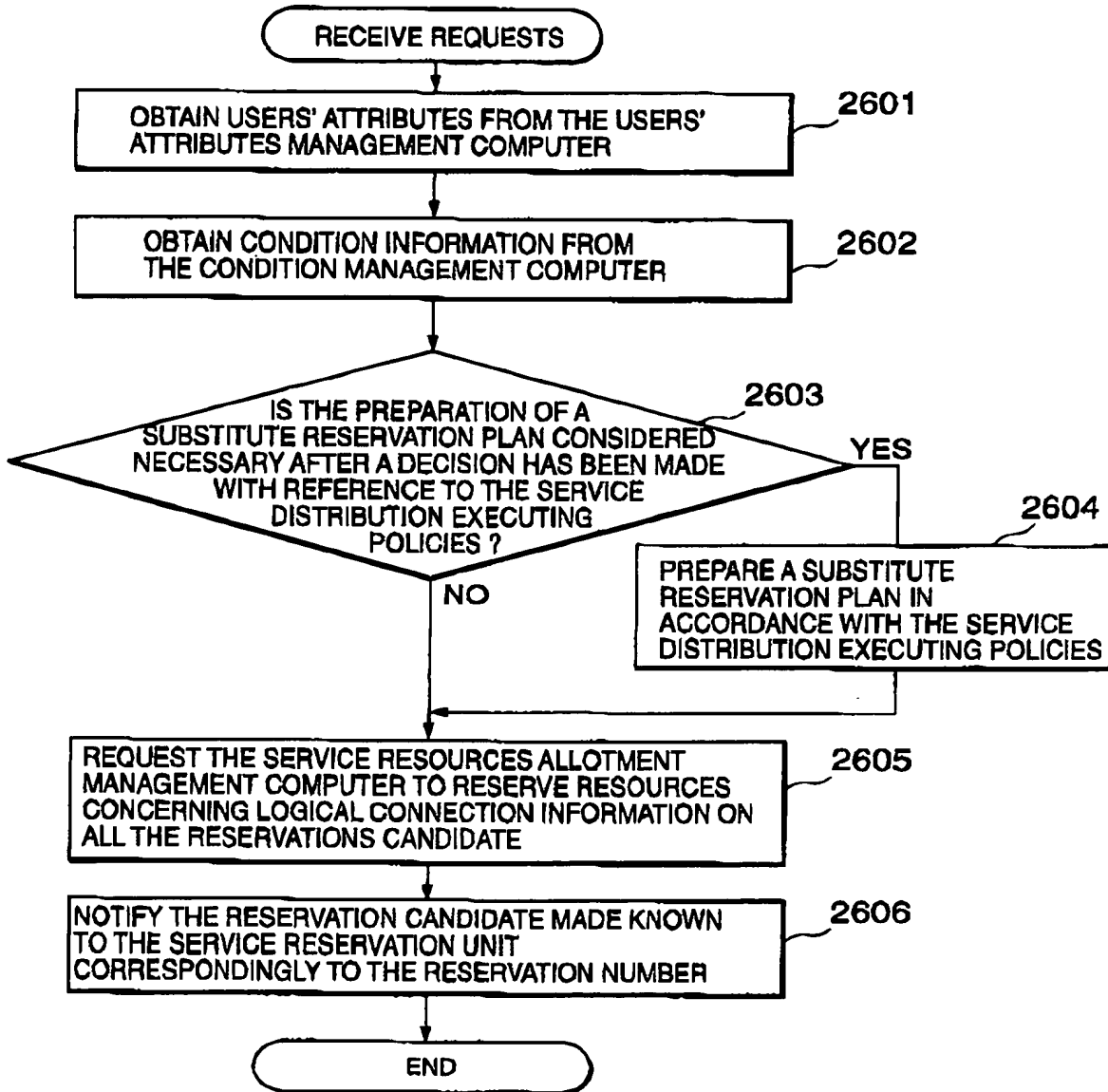
0963590-09100

RECEIVE REQUESTS



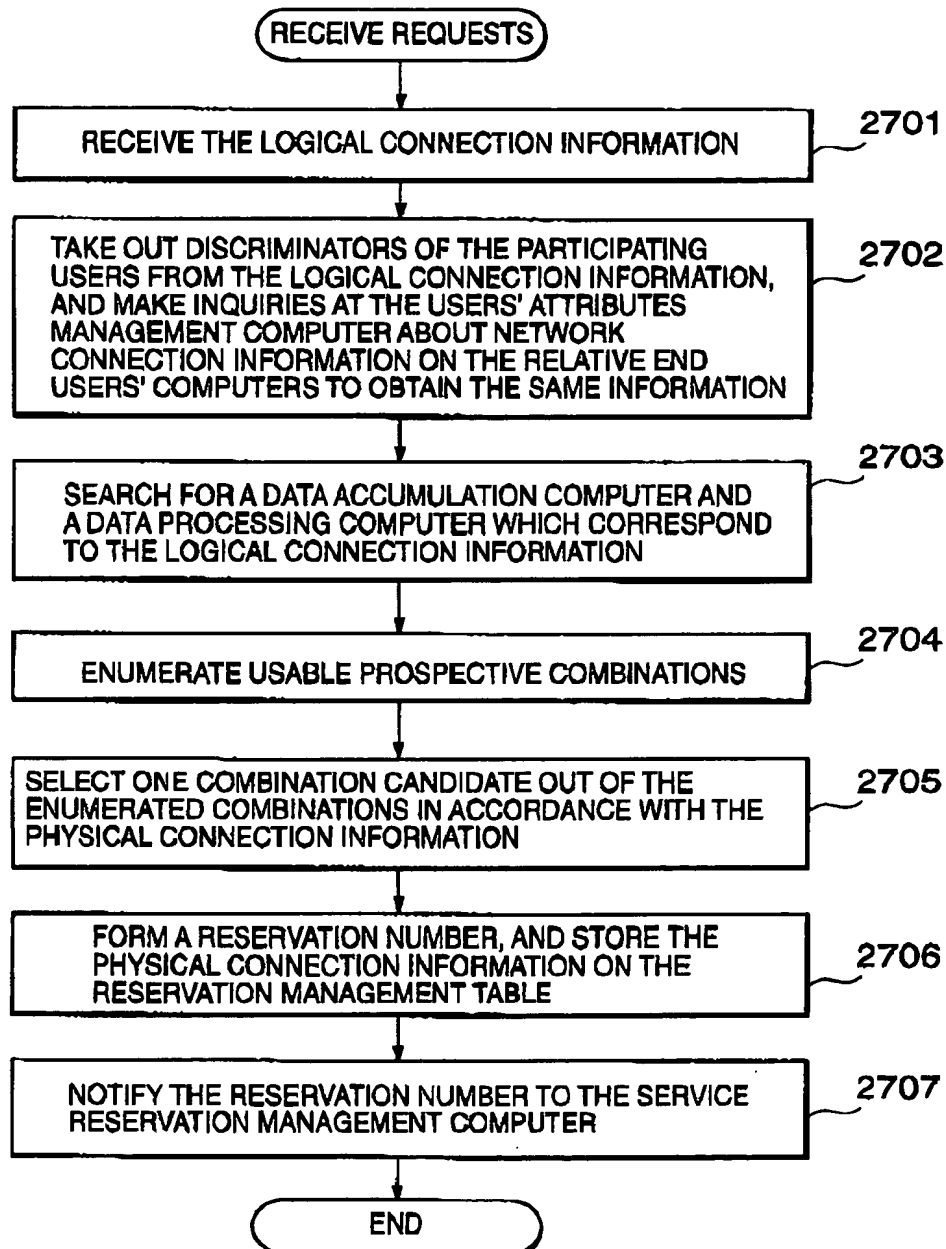
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FIG. 13



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1970	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099

FIG. 14



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FIG. 15

IF(TVConfBridge3.failure && startTime < currentTime+1) then deny	2620
IF(TVConfBridge3.load(startTime,endTime) > 95% && Users,HighestGrade=CORPORATION) then accept, offer(TVConfBridge3.search(load < 95% h-1,+1))	2621
IF(TVConfBridge3.load(startTime,endTime) > 95% && Users,HighestGrade=INDIVIDUAL, GENERAL) then deny, offer (TVConfBridge3.search(load < 95% h-4,+4))	2622
IF(TVConfBridge3.load(startTime,endTime) > 95% && Users,HighestGrade=INDIVIDUAL, ECONOMY) then deny, offer (TVConfBridge3.search(load < 80% h-4,+4))	2623
IF(TVConfBridge3.load(startTime,endTime) > 80% && Users,HighestGrade=CORPORATION) then accept	2624
IF(TVConfBridge3.load(startTime,endTime) > 80% && Users,HighestGrade=INDIVIDUAL, GENERAL) then accept, offer (TVConfBridge3.search(load < 80% h-4,+4))	2625
IF(TVConfBridge3.load(startTime,endTime) > 80% && Users,HighestGrade=INDIVIDUAL, ECONOMY) then deny, offer (TVConfBridge3.search(load < 80% h-4,+4))	2626
IF(TVConfBridge3.load(startTime,endTime) > 50% && Users,HighestGrade=CORPORATION) then accept	2627
IF(TVConfBridge3.load(startTime,endTime) > 50% && Users,HighestGrade=INDIVIDUAL, GENERAL) then accept	2628
IF(TVConfBridge3.load(startTime,endTime) > 50% && Users,HighestGrade=INDIVIDUAL, GENERAL) then accept, offer (TVConfBridge3.search(load < 80% h-4,+4))	2629
Default: accept	2630

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FIG. 16

5402		5403	5404	5405	5406	5407		
LOGICAL RESOURCES	PHYSICAL RESOURCES DISCRIMINATOR	COMPUTER DISCRIMINATOR	NAME OF ATTRIBUTE 1	ATTRIBUTE VALUE 1	NAME OF ATTRIBUTE 2	ATTRIBUTE VALUE 2	NAME OF ATTRIBUTE 3	ATTRIBUTE VALUE 3
MPEG2CacheOnDemand	MPEG2CacheOnDemand_1	MPEGCache_1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM TRANSFER SPEED	6Mbps	MAXIMUM NUMBER OF CLIENTS	5
MPEG2CacheBroadcast	MPEG2CacheBroadcast_1	MPEGCache_2	RECEIVABLE NUMBER OF RESERVATION	5	MAXIMUM TRANSFER SPEED	6Mbps	MAXIMUM NUMBER OF CLIENTS	100
MPEG1CacheOnDemand	MPEG1Cache_1	MPEGCache_1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM TRANSFER SPEED	1.5Mbps	MAXIMUM NUMBER OF CLIENTS	20
MPEG1CacheBroadcast	MPEG1Cache_1	MPEGCache_2	RECEIVABLE NUMBER OF RESERVATION	5	MAXIMUM TRANSFER SPEED	1.5Mbps	MAXIMUM NUMBER OF CLIENTS	20

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FIG. 17

LOGICAL RESOURCES	PHYSICAL RESOURCES DISCRIMINATOR	COMPUTER DISCRIMINATOR	NAME OF ATTRIBUTE 1	ATTRIBUTE VALUE 1	NAME OF ATTRIBUTE 2	ATTRIBUTE VALUE 2	NAME OF ATTRIBUTE 3	ATTRIBUTE VALUE 3
TVConfBrid ge1	TVConfBridg e1_1	TVConfBridge1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM NUMBER OF CONNECTION	10	MAXIMUM TRANSFER SPEED	6Mbps
TVConfBrid ge1	TVConfBridg e1_2	TVConfBridge2	RECEIVABLE NUMBER OF RESERVATION	5	MAXIMUM NUMBER OF CONNECTION	5	MAXIMUM TRANSFER SPEED	6Mbps
TVConfBrid ge2	TVConfBridg e2_1	TVConfBridge1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM NUMBER OF CONNECTION	10	MAXIMUM TRANSFER SPEED	1.5Mbps
TVConfBrid ge2	TVConfBridg e2_2	TVConfBridge2	RECEIVABLE NUMBER OF RESERVATION	5	MAXIMUM NUMBER OF CONNECTION	5	MAXIMUM TRANSFER SPEED	1.5Mbps
TVConfBrid ge3	TVConfBridg e3_1	TVConfBridge1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM NUMBER OF CONNECTION	10	MAXIMUM TRANSFER SPEED	100Kbps
TVConfBrid ge3	TVConfBridg e3_2	TVConfBridge2	RECEIVABLE NUMBER OF RESERVATION	5	MAXIMUM NUMBER OF CONNECTION	5	MAXIMUM TRANSFER SPEED	100Kbps
SuperImpose 1	SuperImpose 1_1	SuperImpose 1	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM IMAGE TRANSFER SPEED	6Mbps		
SuperImpose 2	SuperImpose 2_1	SuperImpose2	RECEIVABLE NUMBER OF RESERVATION	10	MAXIMUM IMAGE TRANSFER SPEED	1.5Mbps		

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FIG. 18

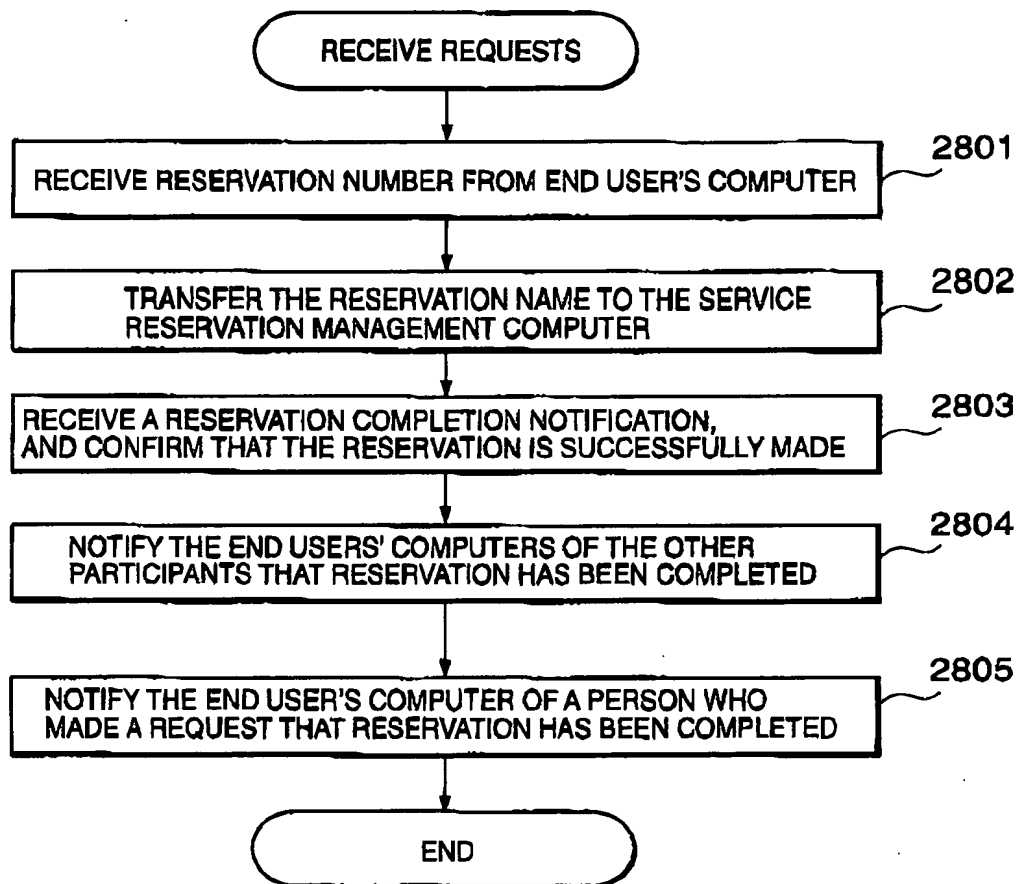
5602		5603		5604		5605	5606
RESERVATION NUMBER	RESERVATION TYPE	PHYSICAL CONNECTION INFORMATION			STARTING DATE AND TIME	ENDING DATE AND TIME	
1001	REAL RESERVATION	<div>MPEGCache 1</div> <div>52Mbps</div> <div>133.144.100.10</div>			1999/4/1 11:50	1999/4/1 11:5	
1002	REAL RESERVATION	<div><div>133.144.98.80</div><div>5Mbps</div><div>SuperImpose1_1</div><div>5Mbps</div><div>MPEGCache 1</div></div>			1999/4/1 12:00	1999/4/1 13:00	
1003	TENTATIVE RESERVATION	<div><div>100kbps</div><div>133.144.98.85</div><div>100kbps</div><div>TVConfBridge3_1</div><div>100kbps</div><div>133.144.99.5</div><div>100kbps</div><div>133.144.98.10</div></div>			1999/4/1 9:00	1999/4/1 10:30	
1004	TENTATIVE RESERVATION	<div><div>100kbps</div><div>133.144.98.85</div><div>100kbps</div><div>TVConfBridge3_2</div><div>100kbps</div><div>133.144.99.5</div><div>100kbps</div><div>133.144.99.10</div></div>			1999/4/1 9:00	1999/4/1 10:30	
1005	TENTATIVE RESERVATION	<div><div>100kbps</div><div>133.144.98.85</div><div>100kbps</div><div>TVConfBridge3_2</div><div>100kbps</div><div>133.144.99.5</div><div>100kbps</div><div>133.144.99.10</div></div>			1999/4/1 10:30	1999/4/1 12:00	

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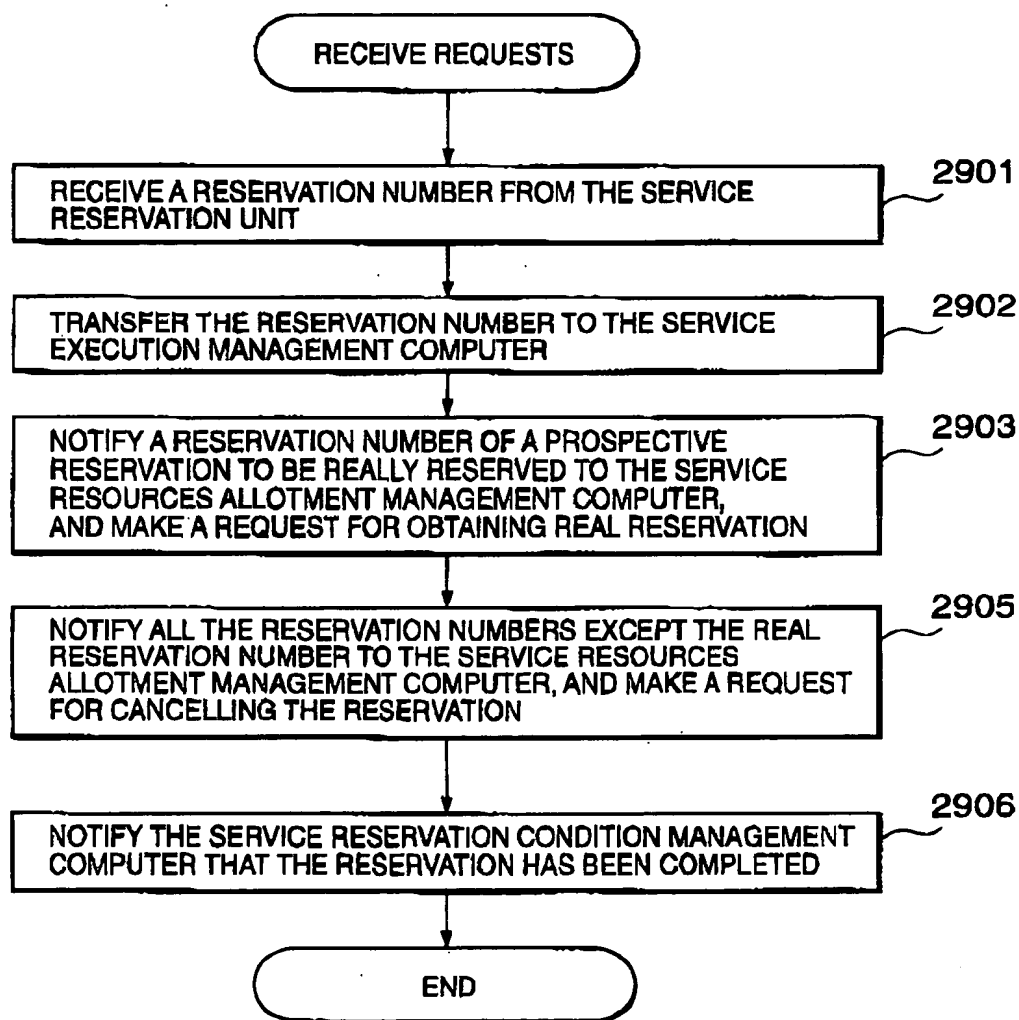
FIG. 19



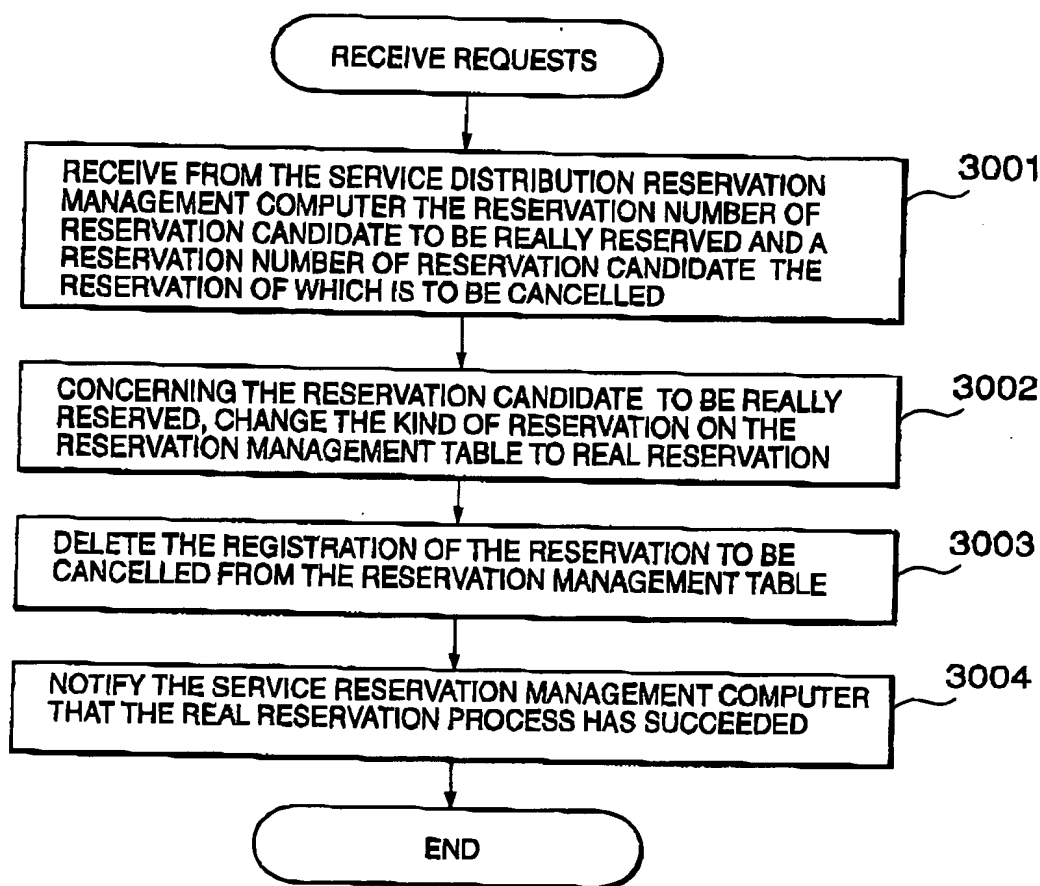
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FIG. 20

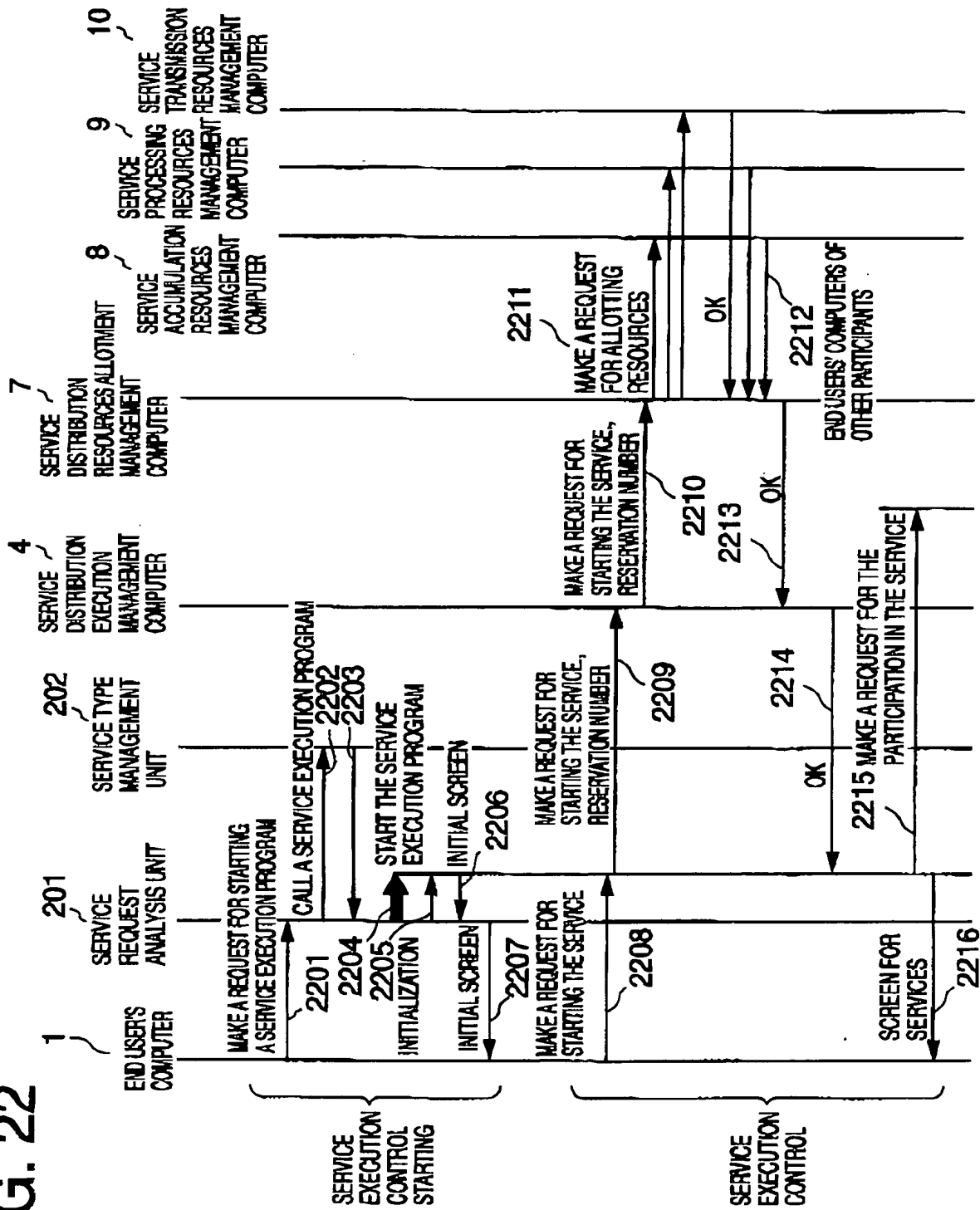


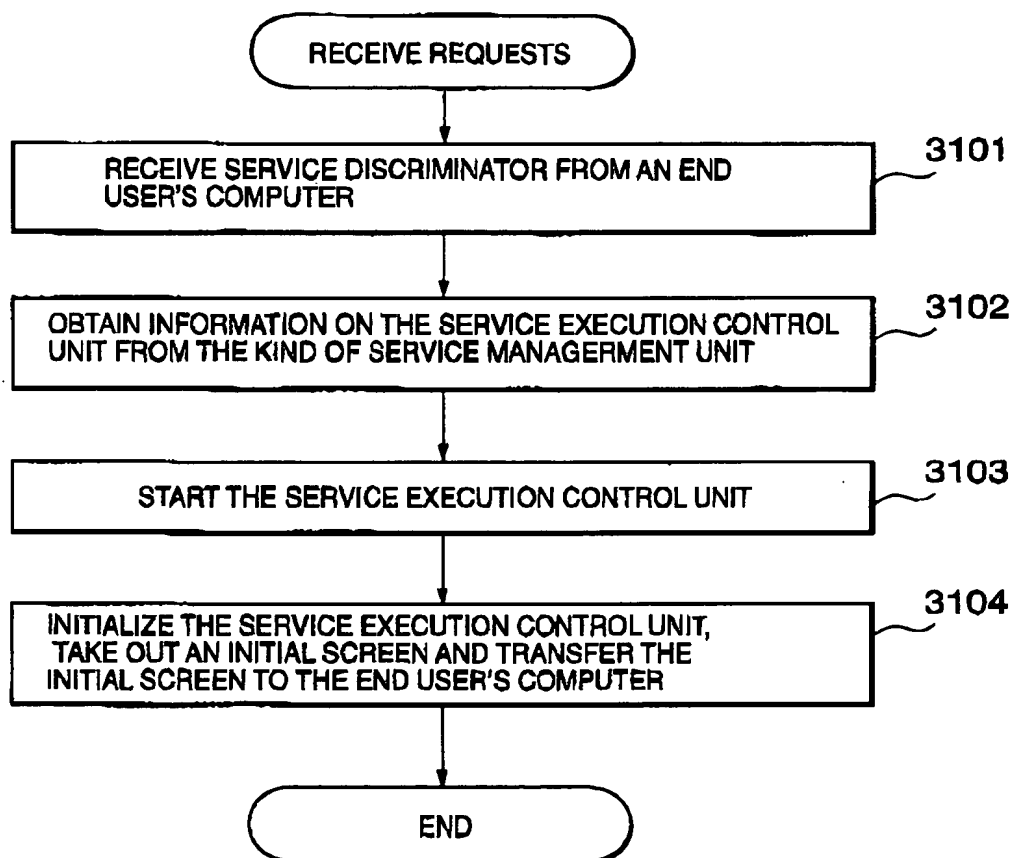
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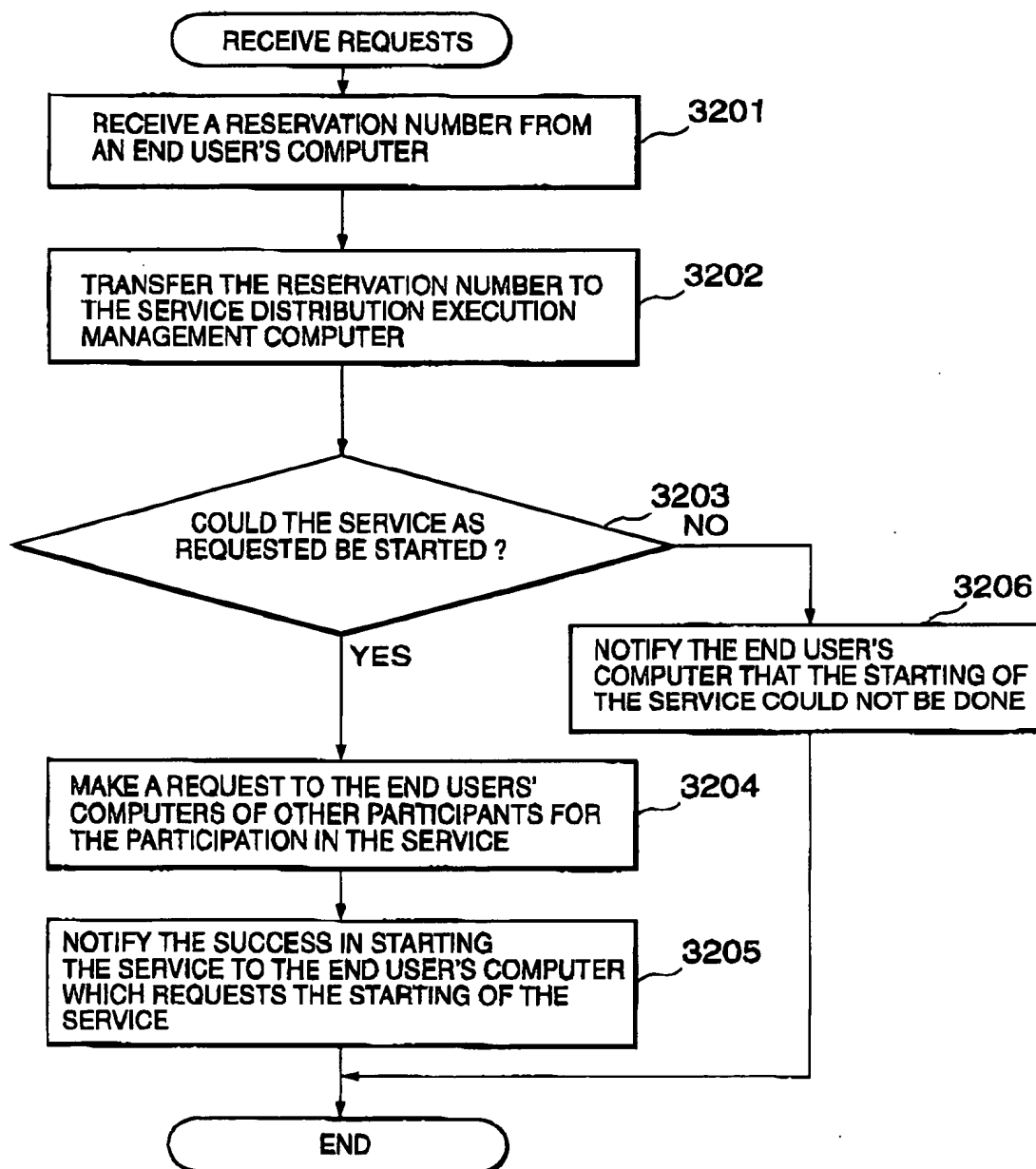
FIG. 22





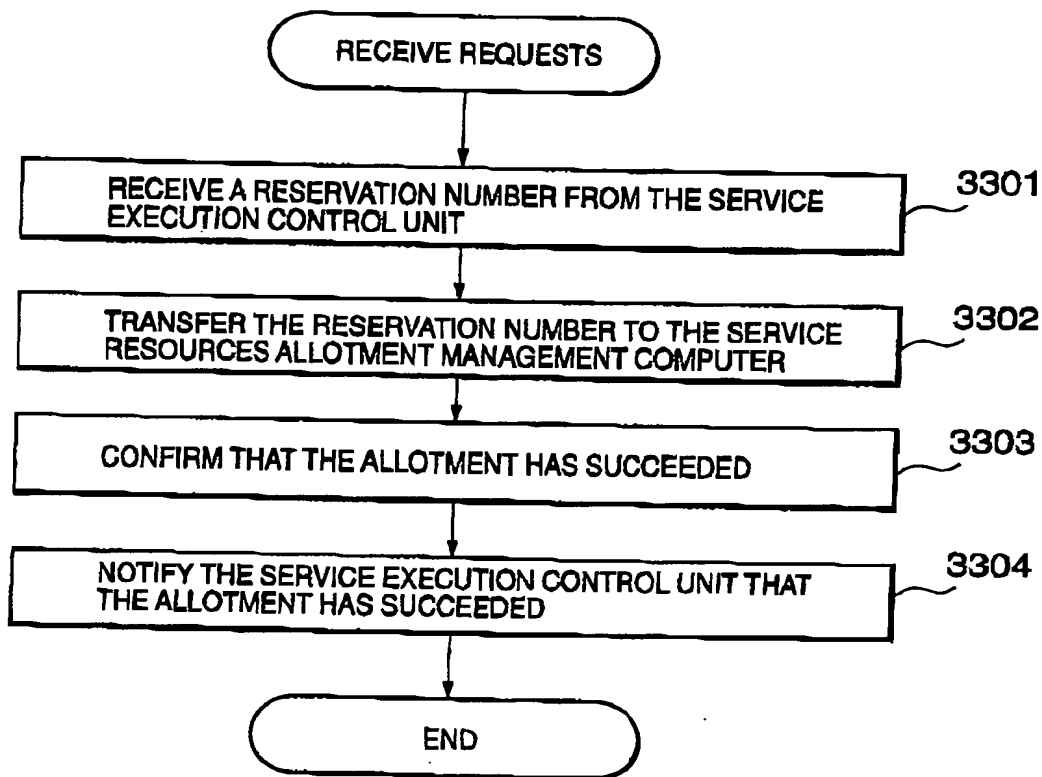
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FIG. 24



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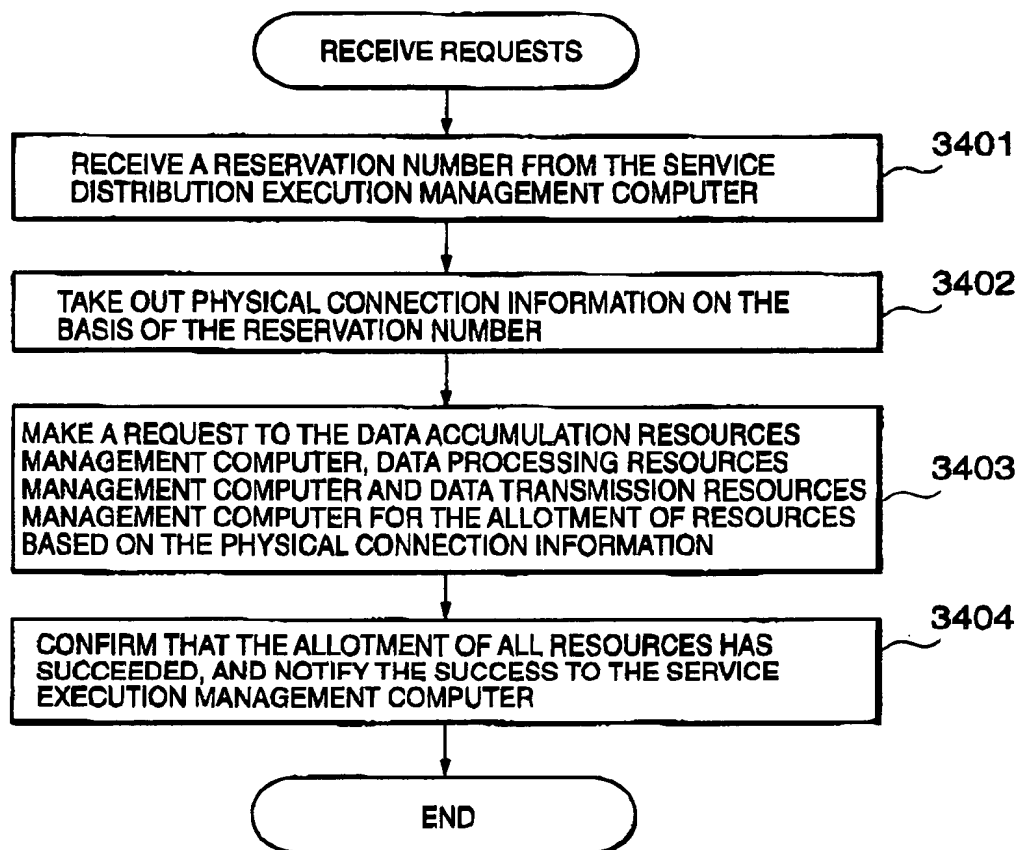
FIG. 25



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FIG. 26



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